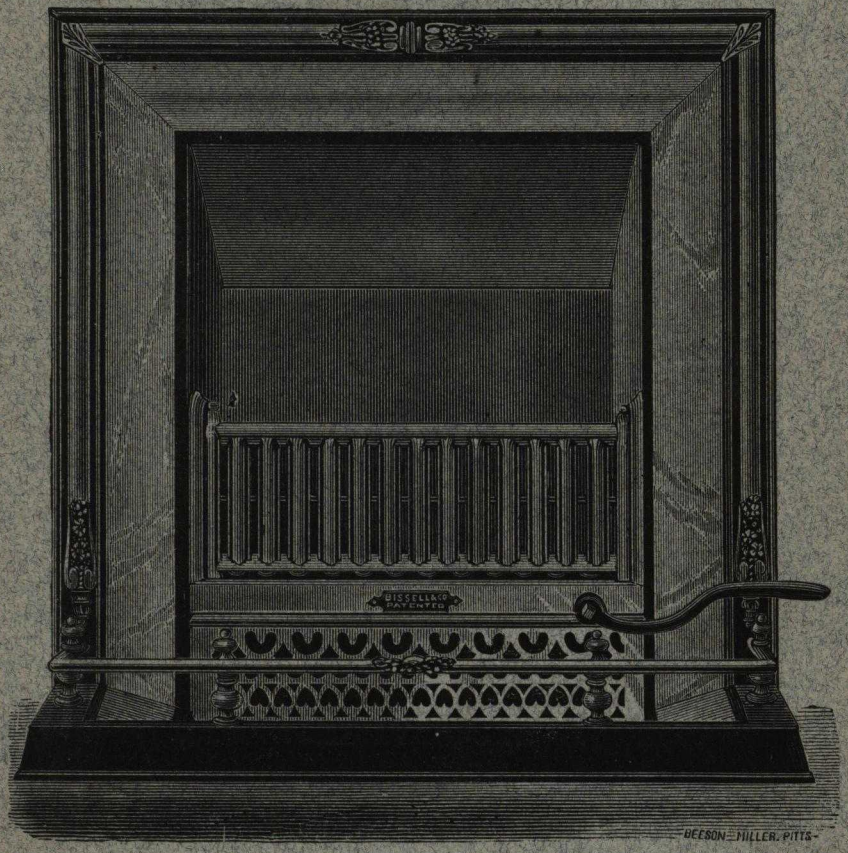
"PEERLESS"

RADIATOR SHAKING GRATE,



MANUFACTURED SOLELY BY

BISSELL & CO.

OFFICE AND WAREROOMS,

235 Liberty Street,
AND
242 Penn Avenue,

PITTSBURGH, PA.

BISSELL & CO.

MANUFACTURERS OF

Grates, Grate Fronts, Fenders,

COOKING, PARLOR, HEATING AND LAUNDRY

STOVES

COOKING RANGES,

Wash House Furnaces, with Enameled Cauldrons,
Oven Doors, Coal Hole Doors,
Ash-pit Doors, Ash-pit Gratings,
Vault Rings and Gratings,
Flue Rings, Sewer Traps,
Sewer Gratings, Foot Scrapers,
&c., &c., &c.

AN EXTENSIVE ASSORTMENT OF

HOT AIR REGISTERS & VENTILATORS,

Register Frames or Borders of all sizes,

White, Black, Bronzed or Nickel Plated, of every size, and of the latest styles.

IRON FOUNTAINS, VASES, SEITEES,

And Ornamental Iron Work generally.

We publish, and send upon application, Stove Catalogues, Range Catalogues, Grate and Grate Front Catalogues, Mantel Catalogues, Grate and Grate Front Price Lists, Register and Ventilator Price Lists, &c., &c.

OFFICE AND WAREROOMS,

235 Liberty St. and 242 Penn Ave. Pittsburgh, Pa.

FOUNDRY AND SHOPS, ALLEGHENY CITY.

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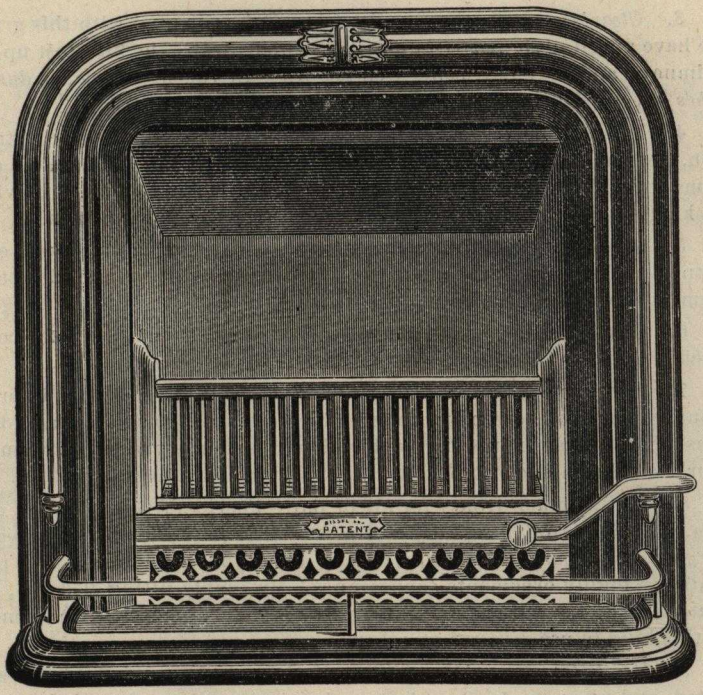


HALF LOW-DOWN GRATE.

The "Peerless" Radiator Shaking Grate

This grate is manufactured SOLELY BY OURSELVES, and is covered by letters patent, granted to us at different dates.

This is the *latest*, *best*, and only *thoroughly reliable* agitating grate in use, as well as the most *beautiful* and *ornamental* grate in the market, and unequalled for *economy*, *cleanliness*, and *heating properties*.

ADVANTAGES.

1. The bottom upon which the fire rests, being composed of separate bars, can be thoroughly shaken by slight motion of the handle at the side, thus sifting out the *fine ashes only*, and retaining all unconsumed fuel, even the smallest cinder.

2. In this we not only attain *great saving of labor*, but also the *utmost economy of fuel*.

3. *Cleanliness.* By the peculiar form of the tile used with this grate, we have a well nigh perfect dust flue, which draws the fine dust up the chimney; and the grate being well set back in the fire place, *no dust or ashes can escape into the room.*

4. It is particularly neat and tidy in appearance, simple in construction, not liable to get out of order, and more pleasant to operate than any other grate, in not being compelled to stand in front of the fire while shaking out the dirt, as this grate is shaken from the side of the fire.

5. More heat from the coal consumed, and the smallest ash pile ever witnessed from the same amount of fuel used, as compared with other forms of open fire place grates.

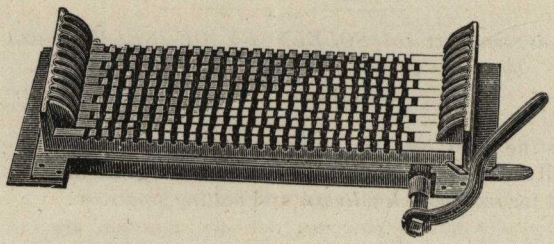
6. It will burn any kind of coal—large or small—hard or soft—coke, slack or peat.

7. Every one of our "Peerless" Grates is furnished with an ornamental open work screen or shutter, which conceals the ash pan and dirt, thus admitting of the use of the low-down fender, a great improvement over the old fashioned high fender, both as to appearance and utility.

8. The summer fronts for all of our "Peerless" Grates are of *cast iron*, enameled, and fit readily and closely into position *without removing the grate or any part of it*, simply resting upon the shutter, and thus presenting a highly ornamental appearance. By simply lifting it down, the grate is ready for a fire at a minute's notice. This is the only arrangement of this kind in use.

9. *Great strength and durability.* Each grate is carefully fitted and tested, and we *guarantee it not to warp, burn out, or clog.* Out of the many hundreds in use, we have yet to hear of the first one that has failed to give entire satisfaction.

☞ WE WARRANT EVERY GRATE. ☜



This engraving exhibits the form of grate herein described, the bottom being composed of separate bars, and can be thoroughly shaken by slight motion of the handle at the side.

This agitator and sifter constitutes, with our new plan of low-down, the best low-down grate in the country, and the only low-down from which the ashes can be shaken, that has ever been made anywhere in the world, and the only form of grate called low-down, in which all forms of soft coal can be successfully used.

"PEERLESS" TILE.

In this connection, we desire to call attention to our new "Peerless" Tile, (recently invented and patented by ourselves.) This tile is so constructed and fitted as to check the direct draft of hot air up the flue, and to introduce at this particular point a current of *hot air* from behind the tile, thus securing a perfect combustion of all the gas and a large quantity of the smoke, thereby obtaining *a greater* quantity of heat from the same amount of fuel, than from any other tile in the market.

We are the Sole Manufacturers of the "Peerless" Grate and the "Peerless" Tile.

IMPROVED FENDERS—RUBBER FEET.

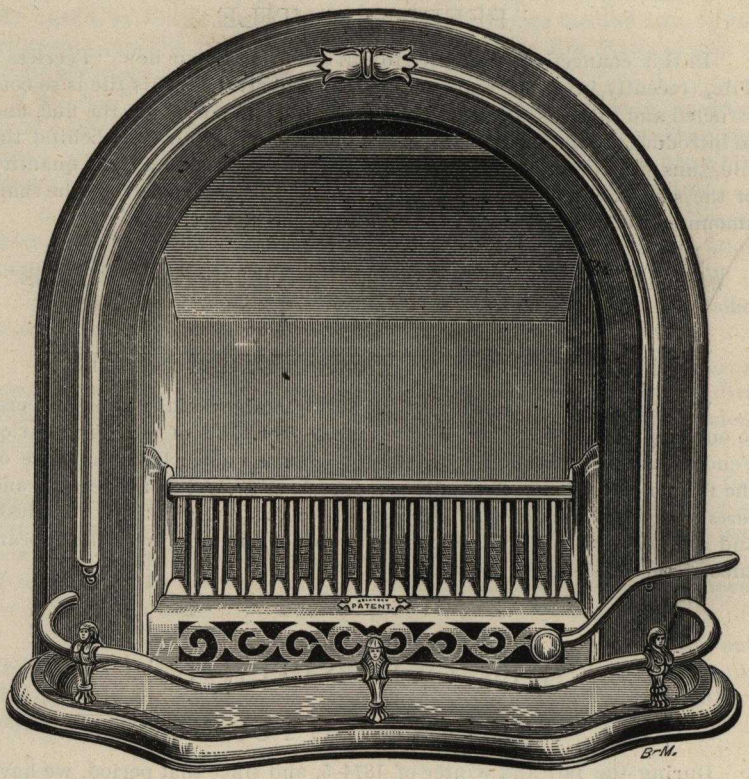
We also invite the attention of the public, and especially housekeepers, to our improvement (patented) for fender feet. All of our Fine Parlor Fenders are now provided with small vulcanite rubber balls, in place of the former feet. This effectually *prevents the scratching of the hearths*, and *saves wear and tear of carpets and rugs*, as well as being entirely noiseless, and not being visible from above, they do not interfere with the appearance of the handsomest fender.

SPECIAL NOTICE.

LOOK WELL BEFORE PURCHASING.

During the fall and winter of 1874-5, and since that period, we have set up a large number of our "Peerless" Grates, for the satisfactory performance of which we can furnish the best of references. And our success in the introduction of this grate has brought out a number of *imitations of the motion*, but without the substantial and practical features of the "Peerless," which gives permanent satisfaction in operation. *The grated covering bars at the ends of the bars are indispensible in the successful operation of movable bar grates*, owing to the liability of ashes, slates, &c., becoming fastened between the ends of the bars and the *sides of the fire chamber*. For this valuable improvement, letters patent, in addition to those already secured on the "Peerless" Radiator Shaking Grate, have been issued to us. Other grates having this improved construction are infringements, and will be prosecuted without hesitation, and when found without this improvement, will not operate satisfactorily twenty-four hours, and are therefore a mere imitation of a practically successful grate, which we have named the "PEERLESS." We simply desire a careful examination of the features embraced in the construction of this grate, as our experience has fully demonstrated to us that it has no peer, either for simplicity of construction or the satisfactory results in comfort, heating capacity, and cleanliness.

BISSELL & CO.



Bissell & Co.'s New Low-down Grate

WITH PATENT COLD AIR BOX.

The advantages claimed for this grate, are as follows:

It is constructed upon the principle of the old fashioned low-down, and secures all its advantages of easy regulation of the fire, perfect combustion of fuel, and intense radiation of heat, without the disadvantage and expense attending the construction of the old plan. This is not "fire on the hearth," as formerly, but the grate containing the coal is elevated above the hearth 2½ inches by an air-tight box, (having no communication with the room,) which not only *entirely obviates the liability of breaking the hearth stone*, but also elevates the fire sufficiently high to bring it within the proper distance of the opening above, thus admitting of the use of any kind of fuel, and also *preventing the smoke from a fresh fire from getting into the room, which connot be attained by the old plan, without a blower.*

All the ashes and impurities from the coal can be shaken into the ash pit below, and no ashes can accumulate immediately below the grate, and cause it to melt or burn out. [These ash-pits should be closely built, plastered inside, and have an ash-door as closely fitted as possible; and where there are pits for the upper floor rooms, these pits should be separated from those of the first floor by a well plastered brick partition, and furnished with a separate ash door. This is absolutely necessary, in order to secure a proper regulation of the draft for the first floor; otherwise, one grate draws from the other.] The draft can be increased or diminished at pleasure, and regulated to any suitable temperature, being controlled by means of a damper in the cold air pipe, the handle of which rests in a small plate in the floor to one side of the fire; and thus while sitting before the fire, there is no current of cold air on your feet, as the cold air supply is all brought through the cold air pipe in the cellar. The air thus entering the grate from below supplies all that is required for perfect combustion, as well as for draft, and effectually *prevents all rush of cold air through doors and windows, into the room.* In ordinary grates the ashes have to be taken up about 200 times a year, which always makes dust and dirt; this plan does away with this nuisance.

We have no hesitation whatever, in recommending this plan of grate for the rooms on the first floor, as the best method yet devised for securing the most comfortable, cleanly and economical fire—economical, since you derive a direct benefit from a very small amount of fuel, which, if necessary, can be raised to a white heat, and diminished, by the damper, to a moderate fire.

We have recently perfected a new damper, with square cast iron box, which cannot get out of order, as do most of the old sheet iron dampers in use. One of these new dampers, with rod, floor plate and handle, we furnish with all our low-down grates.

In this connection, we especially recommend our "Peerless" low-down grate, as the *most effective form of fire place heater in use.* After a most thorough and careful test of this combination, we confidently assert that it will furnish *three times* the amount of heat from a given quantity of fuel, as any other form of grate ever made; and by its use we not only shake the ashes from the grate into the pit in a moment's time, but also *save all valuable fuel.* All other forms of grates must necessarily be poked from the top of the fire, which is both *wasteful* and *ineffectual*, as it breaks up the coal, destroys the appearance of the fire, and but very imperfectly removes the ashes.

Although these improvements are covered by letters patent, yet we ask no patent prices, but are prepared to furnish these grates at very reasonable rates, and also to *fully warrant their operation with any kind of fuel, and that they will not warp, burn out or clog.*

HALF LOW-DOWN GRATE.

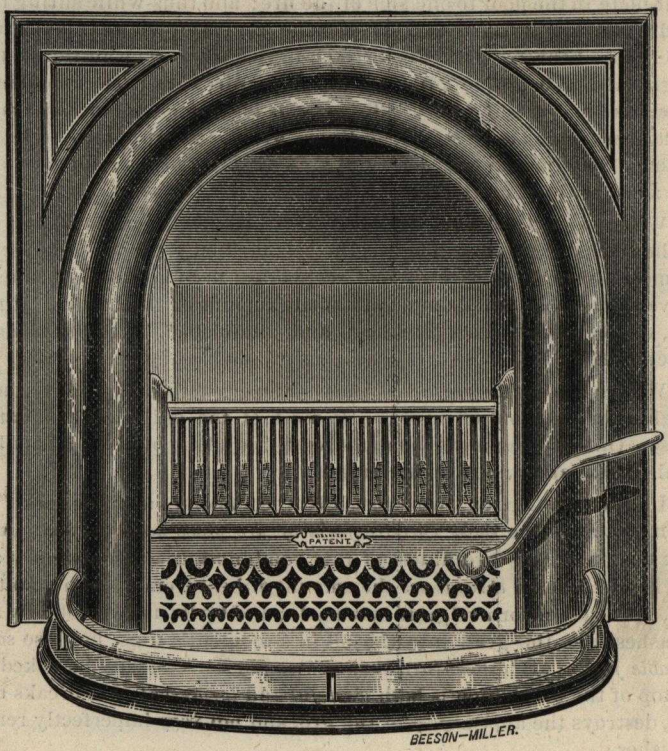
This grate is elevated four or five inches above the hearth, but not nearly so high as the ordinary rough grate, the object being to bring the fire as near to the hearth as the ash pan below will admit, and yet not so

low as to interfere with the draft. *This secures an increased radiation of heat from the large surface of tile exposed above the fire*, and also presents a handsome appearance.

With all of our half low-down grates, we furnish an ornamental open-work shutter or screen, to conceal the ash pan.

For all rooms where the low-down grate cannot be used, we strongly recommend this form of grate.

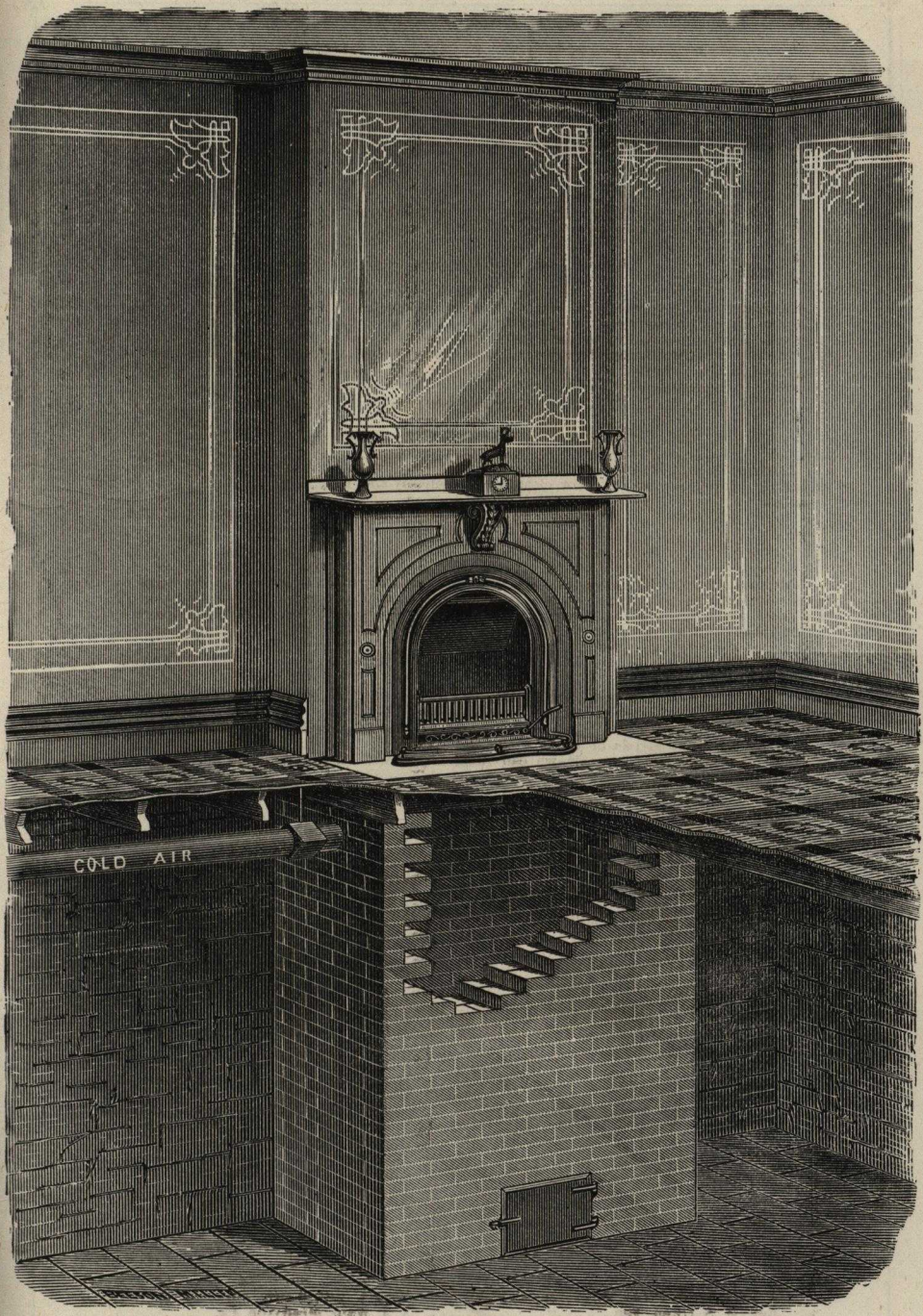
BISSELL & CO.



(HALF LOW-DOWN GRATE.)

The engravings in this circular represent merely a few of the many forms of grate fronts which we have on hand, and to which we apply the "Peerless" grate. We also vary the ornamentation of front and fender, according to order, to suit different tastes.

PRICES.—For Front, Grate, Fender, Summer Front, and Tile, complete, range from $25 to $250, according to ornamentation and finish.



Pesrpective view of Bissell & Co.'s New Low-down "Peerless" Grate, as described on pages 4 and 5.

REFERENCES.

We select the following testimonials and names from amongst a large number of parties who are using our

"PEERLESS SHAKING GRATES:"

FROM FRANK SEMPLE, ESQ., SEC'Y.

Office of Pennsylvania Company, Pittsburgh, Pa.

MESSRS. BISSELL & Co.—*Gentlemen:*—After the experience of the past severe winter with your *"Peerless Grates"* in my dwelling house at Sewickley, I am happy to be able to testify to the perfect satisfaction and comfort we have had in the use of them, both in the economy of fuel, and heating power, as well as in convenience and neatness of appearance. I have used several of the improved forms of grates, and consider the "Peerless" the best I have ever seen, combining many advantages, and having few, if any, objectionable features.

April 5, 1875. Yours truly, FRANK SEMPLE.

FROM REV. R. F. ALSOP.

Allegheny City, Pa.

MESSRS. BISSELL & Co.—*Gentlemen:*—I take pleasure in stating that the *"Peerless" Grate* has given me entire satisfaction. For cleanliness, economy and heating properties, it is by far the best grate I have ever used.

March 3, 1875. Very truly yours, REESE F. ALSOP.

FROM WM. BEESON, ESQ.

Beeson's Mills, Pa.

MESSRS. BISSELL & Co.—*Gentlemen:*—You are at liberty to refer to me for the character of your *"Peerless" Grates.* They give me *much more heat* than any grates I have ever used. They are clean, perfectly simple, and easily managed. As to *economy*, I believe I shall soon pay for the grates in amount saved through reduced consumption of fuel. Of all the improvements in grates, I consider this *decidedly the best.*

April 12, 1875. Very truly yours, WM. BEESON.

FROM MESSRS. MYERS, UHL & CO.

Cleveland, Ohio.

MESSRS. BISSELL & Co—*Gentlemen:*—In reply to your inquiry, we take pleasure in stating that of the many hundreds of your "Peerless" Grates we have sold, we have yet to hear the first complaint. If you desire it, we can furnish you with any number of certificates from parties in this vicinity who are using them.

June 28, 1876. Very truly yours, MYERS, UHL & CO.

Benjamin Singerly, Esq., Pittsburgh.
Wm. A. Gildenfenny, Esq., "
John McKee, Esq., "
Wm. Mechling, Esq., "
Daniel O'Neil, Esq., "
Samuel Wilson, Esq., "
James Laughlin, Esq., "
Rev. C. V. McKaig, "
Charles H. Zug, Esq., "
Mrs. Penny, "
A. W. Rook, Esq., "
Mrs. E. F. Denny, "
Charles North, Esq., "
Washington Beck, Esq., "
John Atkinson, Esq., "
John Scott, Esq., "
A. M. Brown, Esq., "
Wm. H. Barnes, Esq., Allegheny City.
B. F. Mevay, Esq., "
J. W. Benson, Esq., "
A. K. Stevenson, Esq., "
James Miller, Esq., "
James Laughlin, Jr., Esq., "
A. D. Smith, Esq., "
Alexander King, Esq., "
Wm. Mullins, Esq., "
Mrs. Thomas Arbuckle, Alleghey City.
W. K. Gallagher, Esq., Beaver, Pa.
S. Saxman, Jr., Esq., Latrobe, Pa.
Messrs. Rowe & Taylor, Indiana, Pa.
Rev. W. S. Owen, Esq., "
John A. Renshaw, Shady Side, Pa.

C. F. Von Bonnhorst, Esq., Grafton S., Pa.
J. W. Guy, Esq., Oakdale, Pa.
Isaac West, Esq., McKeesport, Pa.
Messrs. Reid & Durant, Franklin, Pa.
Evan Pugh, Esq., New Brighton, Pa.
J. W. Brawley, Esq., Meadville, Pa.
Messrs. J. G. & W. Campbell, Butler, Pa.
B. J. Bradley, Esq., Marion Station, Pa.
W. T. Shannon, Esq., Edgeworth, Pa.
O. H. Williams, Esq., Quaker Valley, Pa.
Thomas Hare, Esq., near Sewickley, Pa.
M. W. McMillan, Esq. "
Jacob H. Walters, Esq., Springdale, Pa.
James Mullins, Esq., Wooster, O.
D. C. Marr, Esq., Boston, Mass.
Messrs. M. A. Free & Co., Cumberland, Md.
Wm. Pickle & Bro., St. Louis, Mo.
The Schureman & Hand Mantel Co. Chicago.
Donahue, M'Cosh & Co., Burlington, Iowa.
Oliver & Cragin, Dubuque, Iowa.
McCosh & Donahue, Davenport, Iowa.
Billings & Probasco, Detroit, Mich.
John O'Farrell, Toledo, O.
Aston, Taylor & Huff, Columbus, O.
Errett & Bros., Mt. Vernon, O.
J. Oblinger, Dayton, O.
Jas. Squire & Co., Youngstown, O.
G. F. Adams & Co., Indianapolis, Ind.
A. Johnston, Springfield, Ills.
King & Bull, Peoria, Ills.
A. J. Walp, Meadville, Pa.
Jos. Moffet, Milwaukee, Wis.

BISSELL & CO.

235 Liberty St. & 242 Penn Av. Pittsburgh, Pa.

MANTELS,

MARBLE AND MARBLEIZED SLATE.

THE FINEST AND MOST EXTENSIVE STOCK

EVER OFFERED IN THIS CITY.

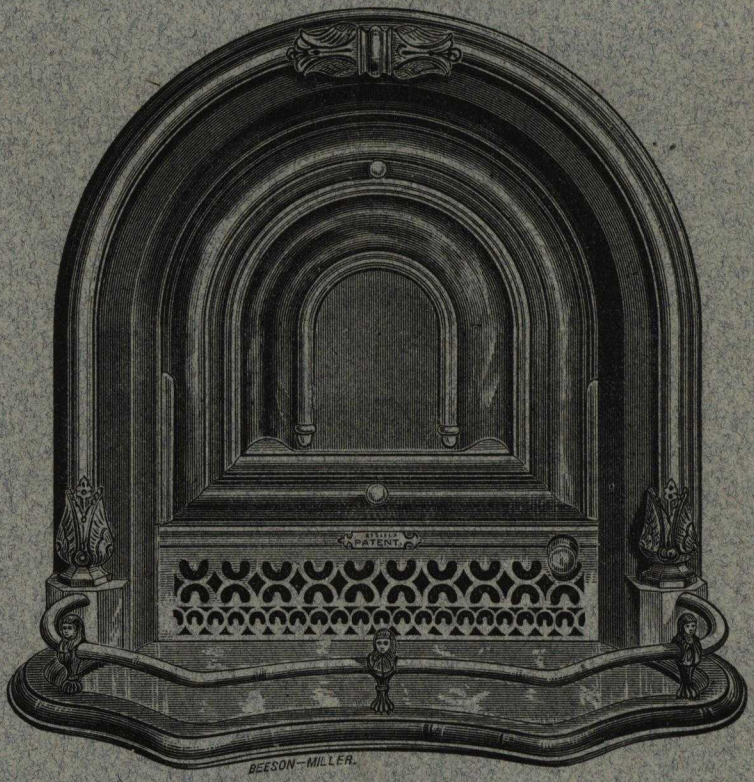
For general quality and perfection of finish, our Mantels are DECIDEDLY SUPERIOR to any in this market; and included in our stock will be found a number of ENTIRELY New and beautiful designs, prepared especially for ourselves.

Purchasers will find it to their advantage to call and examine our stock before purchasing elsewhere. We are prepared to offer superior advantages as to terms, prices, &c.

MANTEL CATALOGUES SENT UPON APPLICATION.

BISSELL & CO.

PITTSBURGH, PA.



Cut Showing Half Low-down "Peerless" Grate, with Summer Front in position.

Bissell & Co.'s "Peerless" Shaking Grates

FOR SALE BY